

Dr. Duke's Phytochemical and Ethnobotanical Database

List of Plants for P-COUMARIC-ACID

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Actinidia chinensis</i>	Plant	--	--		--
<i>Agrimonia eupatoria</i>	Plant	--	--		--
<i>Allium ampeloprasum</i>	Plant	--	--		--
<i>Allium cepa</i>	Bulb	--	--		--
<i>Allium cepa</i>	Leaf	--	--		Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.
<i>Allium cepa</i>	Root	--	--		Das, V. S. R., Rao, J. V. S. 1964. Phenolic Acids of Onion Plant. Curr. Sci., 33(15): 471-472.
<i>Allium sativum</i> var. <i>sativum</i>	Bulb	2	58		--
<i>Allium schoenoprasum</i>	Leaf	21	21	-0.34446373826744014	--
<i>Aloe vera</i>	Plant	--	--		Pakistan Encyclopedia Planta Medica. 1986.
<i>Aloe vera</i>	Juice	--	--		Waller, G. R., Mangiafico, S., Ritchey, C. R. 1978. A Chemical Investigation of <i>Aloe barbadensis</i> . Proc. Okla. Acad. Sci. 58: 69-.
<i>Aloe vera</i>	Leaf	--	--		Doff, W. 1953. In Vitro Tuberculostatic Action of Aloe and its Most Important Components. Arzneim-Forsch 3: 627-630.
<i>Althaea officinalis</i>	Leaf	--	--		--
<i>Althaea officinalis</i>	Root	--	--		--
<i>Althaea officinalis</i>	Flower	--	--		--
<i>Ananas comosus</i>	Plant	330	730	1	--
<i>Anethum graveolens</i>	Leaf	--	16	-0.34577655264533097	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Annona muricata</i>	Plant	--	--		--
<i>Apium graveolens</i>	Root	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Arachis hypogaea</i>	Seed	20	20	-0.48301484453840043	--
<i>Arctostaphylos uva-ursi</i>	Leaf	--	--		--
<i>Artemisia absinthium</i>	Plant	--	--		--
<i>Artemisia dracunculus</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Aspalathus linearis</i>	Shoot	--	1	-0.7071067811865475	--
<i>Avena sativa</i>	Seed	--	--		--
<i>Averrhoa carambola</i>	Plant	--	--		--
<i>Basella alba</i>	Plant	--	--		--
<i>Beta vulgaris</i>	Plant	--	--		--
<i>Brassica nigra</i>	Seed	--	--		Jim Duke's personal files.
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Leaf	--	13	-0.3465642412720655	--
<i>Brassica oleracea</i> var. <i>botrytis</i> l.	Flower	--	35		--
<i>Brassica oleracea</i> var. <i>capitata</i> l.	Leaf	0.5	9	-0.34761449277437817	--
<i>Brassica oleracea</i> var. <i>gemmifera</i>	Leaf	12	12	-0.34682680414764366	--
<i>Brassica oleracea</i> var. <i>italica</i>	Leaf	--	13	-0.3465642412720655	--
<i>Brassica pekinensis</i>	Leaf	7	7	-0.3481396185255345	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Calendula officinalis</i>	Plant	--	--		--
<i>Capsicum annuum</i>	Fruit	79	79	-0.3401508451648206	--
<i>Capsicum frutescens</i>	Fruit	540	540	2.293291804958545	--
<i>Carum carvi</i>	Seed	--	86	-0.2878871950232701	--
<i>Castanea sativa</i>	Plant	--	--		--
<i>Catalpa bignonioides</i>	Leaf	15000	15000	3.5884655750178984	List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Catalpa ovata</i>	Fruit	--	--		--
<i>Centaurea cyanus</i>	Flower	--	--		Jim Duke's personal files.
<i>Centaurium erythraea</i>	Plant	--	--		--
<i>Cinnamomum verum</i>	Bark	--	14		--
<i>Citrus limon</i>	Fruit	6	102	-0.20876433550573723	--
<i>Citrus paradisi</i>	Fruit	0	53	-0.4886747256490017	--
<i>Citrus paradisi</i>	Pericarp	5	25	-1	--
<i>Citrus sinensis</i>	Fruit	5	17	-0.6943231755501756	--
<i>Citrus sinensis</i>	Pericarp	5	17	1	--
<i>Citrus sinensis</i>	Fruit Juice	--	--		Jim Duke's personal files.
<i>Cocos nucifera</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Coffea arabica</i>	Plant	--	--		--
<i>Commelina communis</i>	Flower	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Coriandrum sativum</i>	Fruit	--	16	-0.700035632491875	--
<i>Curcuma longa</i>	Rhizome	--	345	1	--
<i>Cyamopsis tetragonoloba</i>	Silk Stigma Style	--	--		Kandasamy, M. K. 1986. The Stigmatic Exudate of <i>Cyamopsis tetragonoloba</i> L. Taub. Biochem Physiol Pflanz, 181(8): 571-575.
<i>Cydonia oblonga</i>	Fruit	--	--		--
<i>Daucus carota</i>	Root	--	--		--
<i>Digitalis purpurea</i>	Leaf	--	--		--
<i>Echinacea purpurea</i>	Fruit Juice	--	--		Jim Duke's personal files.
<i>Elaeagnus angustifolia</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Elettaria cardamomum</i>	Fruit	--	19	-0.682898261666777	--
<i>Elettaria cardamomum</i>	Leaf	--	--		--
<i>Eleutherococcus senticosus</i>	Root	--	--		--
<i>Equisetum arvense</i>	Plant	--	--		--
<i>Eucalyptus maculata</i>	Resin, Exudate, Sap	--	--		Jeffery B. Harborne and H. Baxter, eds. 1983. Phytochemical Dictionary. A Handbook of Bioactive Compounds from Plants. Taylor & Frost, London. 791 pp.

Plant	Part	Low PPM	High PPM	StdDev	Reference
Euphorbia hirta	Leaf	--	--		--
Euphorbia lathyris	Leaf	--	--		--
Fagopyrum esculentum	Testa	--	--		--
Ficus carica	Wood	--	--		--
Foeniculum vulgare	Fruit	--	93	-0.26017644798103073	--
Foeniculum vulgare	Seed	60	93	-0.2671918382565138	--
Fragaria spp	Fruit	63	125	-0.07737782584665391	Jim Duke's personal files.
Gaultheria procumbens	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Ginkgo biloba	Pollen Or Spore	--	--		Chemical Constituents of Oriental Herbs (3 diff. books)
Glechoma hederacea	Plant	--	--		--
Glycine max	Seed	1	4	-0.5303185171481289	--
Glycine max	Shoot	--	--		--
Gossypium sp	Plant	--	--		--
Hedera helix	Plant	--	--		--
Helianthus annuus	Pollen Or Spore	11	11		--
Helianthus annuus	Seed	900	1100	2.709983056618278	Jim Duke's personal files.
Hordeum vulgare	Seed	--	--		--
Hordeum vulgare	Fruit	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Humulus lupulus</i>	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Hura crepitans</i>	Leaf	--	--		--
<i>Hypericum perforatum</i>	Plant	--	--		--
<i>Juglans regia</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Juglans regia</i>	Seed	0.5	3.5	-0.531796756917183	--
<i>Juglans regia</i>	Testa	160	600		--
<i>Juniperus communis</i>	Leaf	--	--		--
<i>Kalanchoe pinnata</i>	Plant	--	--		--
<i>Lactuca sativa</i>	Plant	--	--		--
<i>Laurus nobilis</i>	Fruit	--	20	-0.6771858047250778	--
<i>Laurus nobilis</i>	Leaf	--	192	-0.2995654865435739	--
<i>Lens culinaris</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Ligustrum japonicum</i>	Leaf	--	--		--
<i>Linum usitatissimum</i>	Seed	--	60	-0.364755663014079	--
<i>Lycopersicon esculentum</i>	Fruit	--	--		--
<i>Lythrum salicaria</i>	Leaf	--	--		--
<i>Malus domestica</i>	Fruit	15	460	1.836295249622603	--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Malus domestica</i>	Leaf	--	--		--
<i>Mangifera indica</i>	Plant	--	--		--
<i>Matricaria recutita</i>	Plant	--	--		Kameoka, H. and Nakai, K. 1987. Components of essential oil from the root of <i>Glycyrrhiza-glabra</i> . <i>Nippon Gogeikagaku Kaishi</i> 61(9): 1119-1122.
<i>Medicago sativa</i>	Tissue Culture	--	--		--
<i>Medicago sativa</i>	Leaf	--	--		--
<i>Melilotus officinalis</i>	Plant	--	--		<i>Pharmazie</i> , 46: 156, 1991.
<i>Melilotus officinalis</i>	Shoot	--	--		--
<i>Melissa officinalis</i>	Shoot	--	8.3	1.414213562373095	--
<i>Mentha x piperita</i>	Shoot	--	--		--
<i>Mentha x rotundifolia</i>	Shoot	--	--		Jim Duke's personal files.
<i>Myristica fragrans</i>	Seed	--	7	-0.5214490785338048	--
<i>Nicotiana tabacum</i>	Flower	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Ocimum basilicum</i>	Leaf	760	760	-0.150429773215176	--
<i>Oenothera biennis</i>	Leaf	--	--		--
<i>Olea europaea</i>	Fruit	--	--		List, P.H. and Horhammer, L., <i>Hager's Handbuch der Pharmazeutischen Praxis</i> , Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ononis spinosa</i>	Root	--	--		Blaschek, W., Hansel, R., Keller, K., Reichling, J., Rimpler, H., and Schneider, G. eds. 1998. Hager's Handbuch der Pharmazeutischen Praxis, Auflage Band 2 (A-K), 909 pp., (L-Z), 858 pp. Springer-Verlag, Berlin.
<i>Origanum majorana</i>	Leaf	--	1100	-0.06115839551859982	--
<i>Origanum vulgare</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Origanum vulgare</i>	Leaf	--	--		--
<i>Oryza sativa</i>	Petiole	0.9	0.9		--
<i>Panax ginseng</i>	Root	--	--		--
<i>Papaver somniferum</i>	Pericarp	--	--		--
<i>Persea americana</i>	Fruit	--	--		--
<i>Petroselinum crispum</i>	Stem	--	--		--
<i>Phaseolus vulgaris</i>	Plant	--	--		--
<i>Pimpinella anisum</i>	Seed	--	737	1.636780984285061	--
<i>Pinus sylvestris</i>	Pollen Or Spore	--	--		--
<i>Piper nigrum</i>	Fruit	--	--		--
<i>Pisum sativum</i>	Seed	--	--		--
<i>Plantago major</i>	Plant	--	--		--
<i>Polygala senega</i>	Root	--	--		--
<i>Populus balsamifera</i>	Leaf	--	--		--
<i>Prunus armeniaca</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Prunus cerasus</i>	Fruit	--	--		--
<i>Prunus domestica</i>	Fruit	--	--		Jim Duke's personal files.
<i>Prunus dulcis</i>	Plant	--	--		--
<i>Prunus laurocerasus</i>	Plant	--	--		--
<i>Prunus persica</i>	Leaf	--	--		--
<i>Prunus serotina</i>	Bark	--	--		Leung, A.Y., Encyclopedia of Common Natural Ingredients Used in Food, Drugs, and Cosmetics, John Wiley & Sons, New York, 1980.
<i>Pteridium aquilinum</i>	Leaf	--	--		--
<i>Pteridium aquilinum</i>	Plant	--	--		--
<i>Pueraria montana</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Pueraria montana</i>	Flower	--	--		--
<i>Punica granatum</i>	Fruit Juice	--	--		--
<i>Punica granatum</i>	Leaf	--	--		--
<i>Raphanus sativus</i>	Root	91	91		--
<i>Rheum rhabarbarum</i>	Pt	44	44		--
<i>Rheum rhabarbarum</i>	Root	--	--		--
<i>Ribes nigrum</i>	Fruit	--	--		--
<i>Ribes uva-crispa</i>	Fruit	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Ricinus communis</i>	Leaf	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Rosa canina</i>	Stem	--	--		--
<i>Rosa canina</i>	Tissue Culture	--	--		--
<i>Rubus idaeus</i>	Leaf	--	--		--
<i>Rubus idaeus</i>	Bark	--	--		--
<i>Rubus idaeus</i>	Plant	--	--		--
<i>Rubus idaeus</i>	Juice	--	--		--
<i>Rubus parviflorus</i>	Leaf	--	--		Li, C.Y. 1974. Phenolic Compounds in Understory Species of Alder, Conifer, and Mixed Alder-Conifer Stands of Coastal Oregon. <i>Lloydia</i> , 37(4): 603-607.
<i>Rubus spectabilis</i>	Leaf	--	--		Li, C.Y. 1974. Phenolic Compounds in Understory Species of Alder, Conifer, and Mixed Alder-Conifer Stands of Coastal Oregon. <i>Lloydia</i> , 37(4): 603-607.
<i>Salix alba</i>	Plant	--	--		Williamson, E. M. and Evans, F. J., Potter's New Cyclopaedia of Botanical Drugs and Preparations, Revised Ed., Saffron Walden, the C. W. Daniel Co., Ltd., Essex UK, 362 pp, reprint 1989.
<i>Salvia officinalis</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Salvia</i> sp.	Seed	19	19	-0.48597132407650845	Phenolic Compounds in Food and Their Effects on Health, 67.
<i>Sambucus nigra</i>	Flower	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.
<i>Sanguisorba minor</i>	Plant	--	--		--

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Santolina chamaecyparissus</i>	Plant	--	--		--
<i>Serenoa repens</i>	Fruit Juice	--	--		--
<i>Sesamum indicum</i>	Fruit	--	--		--
<i>Sesamum indicum</i>	Leaf	--	--		--
<i>Solanum tuberosum</i>	Tuber	4	250		--
<i>Solidago gigantea</i>	Plant	--	45	-1	--
<i>Sophora japonica</i>	Plant	--	--		--
<i>Sorbus aucubaria</i>	Plant	--	--		--
<i>Spinacia oleracea</i>	Leaf	133	133	-0.31505669620268567	--
<i>Stachys officinalis</i>	Shoot	--	--		--
<i>Tagetes patula</i>	Plant	--	--		--
<i>Taraxacum officinale</i>	Plant	--	--		--
<i>Taraxacum officinale</i>	Flower	--	--		--
<i>Taxus baccata</i>	Leaf	4	965	-0.09660438372165213	--
<i>Terminalia chebula</i>	Plant	--	--		Kim, J. S., Lee, G. D., Kwon, J. H., Yoon, H. S. 1993. Indentification of Phenolic Antioxidative Components in <i>Terminalia chebula</i> Retz. Han'guk Nonghwa Hakhoe Chi 36 4: 239-243.
<i>Theobroma cacao</i>	Seed	--	--		ANON. 1948-1976. The Wealth of India raw materials. Publications and Information Directorate, CSIR, New Delhi. 11 volumes.

Plant	Part	Low PPM	High PPM	StdDev	Reference
<i>Thymus vulgaris</i>	Leaf	420	420	-0.2397011509117522	--
<i>Tilia sp.</i>	Flower	--	--		--
<i>Trifolium pratense</i>	Plant	--	--		J.S. Glasby Dict.Pls Containing 2ndary Metabolite. 1991.
<i>Trigonella foenum-graecum</i>	Stem	--	--		--
<i>Trigonella foenum-graecum</i>	Plant	--	--		--
<i>Triticum aestivum</i>	Seed	17	25	-0.46823244684786025	--
<i>Urginea maritima</i>	Bulb	--	--		--
<i>Urtica dioica</i>	Plant	--	--		--
<i>Vaccinium corymbosum</i>	Plant	--	--		--
<i>Vaccinium macrocarpon</i>	Fruit	--	--		--
<i>Vaccinium myrtillus</i>	Leaf	--	--		--
<i>Vaccinium myrtillus</i>	Fruit	--	--		--
<i>Vaccinium myrtillus</i>	Fruit Juice	--	--		--
<i>Valeriana officinalis</i>	Plant	--	--		--
<i>Vicia faba</i>	Plant	--	--		--
<i>Vigna radiata</i>	Plant	--	--		Stitt, Paul. Why George should eat broccoli.
<i>Vinca minor</i>	Plant	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
<i>Viola tricolor</i>	Plant	--	--		--

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Vitis vinifera	Fruit	--	--		List, P.H. and Horhammer, L., Hager's Handbuch der Pharmazeutischen Praxis, Vols. 2-6, Springer-Verlag, Berlin, 1969-1979.
Zea mays	Seed	4	46	-0.4061463765475915	--
Zea mays	Shoot	1	1	-0.7071067811865475	Jim Duke's personal files.
Zea mays	Sprout Seedling	--	--		--
Zingiber officinale	Rhizome	19	19	-1	--